

IN THE CLAIMS:

1. (Currently Amended) A digital portable telephone set having demodulating means for demodulating a received signal, wherein:

the demodulating means includes data reproducing means, the data reproducing means having first data generating means for generating first quality data on the basis of the received signal, and second data generating means for generating second quality data different from the first quality data on the basis of the received signal, the first data generating means and second data generating means being in parallel with each other.

a 2. (Original) The digital portable telephone set according to claim 1, wherein the first quality data includes received signal frequency data.

3. (Original) The digital portable telephone set according to claim 1, wherein the second quality data does not include the received signal frequency data.

4. (Original) The digital portable telephone set according to claim 1, wherein the second data generating means further generates received data on the basis of the received signal.

5. (Original) The digital portable telephone set according to claim 1, which further comprises automatic frequency control means for automatically controlling the received signal frequency on the basis of the first quality data.

6. (Currently Amended) A digital portable telephone set having demodulating means for demodulating a received signal, wherein:

the demodulating means includes data reproducing means, the data reproducing means having first data generating means for generating first quality data on the basis of the received signal, and second data generating means for generating second quality data different from the first quality data on the basis of the received signal, the first data generating means and second data generating means being in parallel with each other, the second data generating means including a correcting circuit for correcting the received signal frequency data, and a decoder for generating the second quality data and the received data on the basis of new frequency data obtained in the correcting circuit.

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cont 7. (Original) The digital portable telephone set according to claim 6, wherein the correcting circuit corrects a frequency deviation of the received signal.

8. (Original) The digital portable telephone set according to claim 6, wherein the second quality data is used as line control data.

9. (Original) A digital portable telephone set having demodulating means for demodulating a received signal, wherein:

the demodulating means includes data reproducing means, the data reproducing means having correcting means for correcting frequency data of the received signal, and data generating means for generating quality data on the basis of new frequency data

obtained in the correcting means, corrected data obtained in the correcting means being used for received signal frequency control.

10. (Original) The digital portable telephone set according to claim 9, wherein the quality data includes received signal frequency data.

11. (Original) The digital portable telephone set according to claim 9, wherein the data generating means generates received data on the basis of the new frequency data.

12. (Original) The digital portable telephone set according to claim 9, which further comprises automatic frequency control means for automatically controlling the received signal frequency according to the corrected data obtained in the correcting means.

13. (Original) The digital portable telephone set according to claim 9, wherein the correcting means corrects frequency deviation of the received signal.

14. (Original) The digital portable telephone set according to claim 9, wherein the quality data is used as line control data.

15. (Original) A digital portable telephone set including means for demodulating a received signal and reproducing data with control means for line control in the portable telephone set comprising:

a phase detecting unit for providing an IF signal from as phase data under control of a clock of the reference frequency at a timing of symbol clock;

a one symbol delaying unit for delaying the phase data by one;

a first subtracter for obtaining a first difference signal between the phase data and the delayed signal by the one symbol delaying unit;

a second subtracter for obtaining a second difference signal between the phase data and the delayed signal by the one symbol delaying unit on the basis of a correction signal;

a correcting means for producing the correction signal on the basis of the first difference signal;

a first decoder for decoding the first difference signal to produce the received data and a first quality data of a reception line; and

a second decoder for decoding the second difference signal to produce a second quality data of the reception line.

16. (Original) A digital portable telephone set including means for demodulating a received signal and reproducing data, comprising:

a phase detecting unit for providing an IF signal from as phase data under control of a clock of the reference frequency at a timing of symbol clock;

a one symbol delaying unit for delaying the phase data by one;

a subtracter for obtaining a difference signal between the delayed phase data obtained by one symbol delaying unit and the phase data on the basis of a correction signal;

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a decoder for decoding the difference signal to produce the received data and a quality data of a receipt line;

a correcting means for producing the correction signal on the basis of the difference signal and supplying the correction signal.
